

## SUMMARY

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## WORK EXPERIENCE

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### Technical Architect – AgileThought, Inc

- Certified Scrum Master
- Architect – Fish Tournament Management System
- Lead Developer – Upgrade Legacy Software Systems

### Software Engineer – Nebraska Department of Roads

- Architect/Engineer – Finance System
- Technical Leadership Working Group – Lead technical direction

### Senior Software Engineer – Election Systems and Software

### Senior Consultant – QA Technologies

### Architect/Mentor/Senior Developer – Nebraska Department of Roads

- Architect/Engineer – NDOR Common
- Architect/Engineer – Electronic Accident Form
- Mentor for Salt Database project
- C# Mentor
- Architect/Engineer/Database Consultant – EnrollTrac
- Internal QA Technologies project

### Senior Software Engineer — Vorteon, LLC

- Architect/Lead Engineer – SolutionsDesk Service Desk Application
- Architect/Lead Engineer – Online Banking Instant Credit Card Approval
- Senior Software Engineer – Ipoint Kiosk

## OTHER EXPERIENCE

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### Lecturer/Presenter

- Introduction to C# Generics
- Fun with C# Generics
- Augmented Reality with C#, Windows 7, and Microsoft Kinect

### Chief Architect/Lead Developer – Open Source Projects

- fFastMapper
- fFastInjector
- SubtractJS

## TECHNOLOGIES

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Visual Studio (2013, 2010, 2008, 2005, 2003)

C#, ASP.NET MVC, Entity Framework, TSQL, JavaScript, HTML, CSS

Microsoft SQL Server (2005 through 2012)

Team Foundation Server (2010 through 2013)

## EDUCATION AND TRAINING

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BS – Computer Information Systems in Business

AAS – Electronics Engineering Technology

# DETAILS

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## WORK EXPERIENCE

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### **Technical Architect – AgileThought, Inc**

- Certified Scrum Master
- Architect – Fish Tournament Management System
  - Single Page Web Application
  - Database Design
- Lead Developer – Upgrade Legacy Software Systems

### **Software Engineer – Nebraska Department of Roads**

- Architect/Engineer – Finance System
  - Automated the TFS Build and Deployment
  - Train and mentor other teams in TFS Build and Deployment
  - Redesigned production move process with automation without breaking existing processes
  - Migrated DB2 tables and procedures to SQL Server
  - Mentor development team in TSQL stored procedure development
  - Mentor development team in JavaScript development
  - Created Entity Framework extension methods for common business filters
  - C# Mentor
  - Work with subject matter experts to compile requirements
  - Researched legacy program and database structure to uncover potential additional requirements
  - Rewrite a COBOL, mainframe, DB2 system into a Windows Server, C# and SQL Server System
  - Agile development process with production moves every three weeks
  - Engaged and motivated customer involvement and satisfaction
- Technical Leadership Working Group – Lead technical direction
  - Identify enterprise technical debt and create project proposals to eliminate it.
  - Eliminate old product versions and technologies to streamline development and operations.
  - Evaluate new products and product versions and plan upgrades.

### **Senior Software Engineer – Election Systems and Software**

- Research and Recommend performance enhancements
- Research and Recommend development methodology enhancements

### **Senior Consultant – QA Technologies**

- Architect/Mentor/Senior Developer – Nebraska Department of Roads
  - Architect/Engineer – NDOR Common
    - A common library used by multiple projects within Nebraska Department of Roads.
  - Architect/Engineer – Electronic Accident Form
    - A system to enable any Nebraska law enforcement officer to create and manage automobile accident reports online.
  - Mentor for Salt Database project
    - An NDORCommon-based system to track location and amounts of products used to prevent ice build-up.
  - C# Mentor
- Architect/Engineer/Database Consultant – EnrollTrac
  - Created audit system to confirm that all records were processed and the results sent via encrypted email
  - EnrollTrac is a custom suite of applications based around Agility BPM utilized to validate and audit retroactive payment adjustment requests for Medicaid enrollment, disenrollment, and other changes coming from multiple providers for the Center for Medicaid Services Bureau.
  - Design, Develop, and Implement in C#: EnrollTrac Suite (Browser, Upload, Administration), and Integration with DocLanding Document Management System.
  - Design, Develop, and Implement: C# plugins for QA Technologies Agility BPM Product.
  - Mentor client's internal development team on .NET development and Microsoft SQL Server.
- Internal QA Technologies project
  - Design and develop C#.NET programs to interface with and extend the functionality of QA Technologies Agility BPM Product
  - Translated Existing VB.NET Code to C#

- Enhanced plugin architecture with both interface-based plugins and XML-based plugins
- Technology: C#.NET, .NET remoting, and MS SQL Server

#### **Senior Software Engineer — Vorteon, LLC**

- Defined Standards and Practices for projects/developers including Agile methodology and testing.
- Designed and implemented projects designed for stability, reliability, ease of use, ease of development, high security.
- Architect/Lead Engineer – SolutionsDesk Service Desk Application
  - Mentor development team
  - Defined Coding Goals and Practices focusing on reusability, flexibility, security, and scalability
  - Implemented Change Control and Change Management systems
  - Created advanced API Definition including Base API and Plugins
  - Remote Interface Definitions
  - Created Initial Implementation in VBScript/ASP
  - Converted to VB.NET/ASP.NET
  - Technology: VB.NET, ASP.NET, MS SQL Server (2000, 2005), VBScript, ASP
- Architect/Lead Engineer – Online Banking Instant Credit Card Approval
  - Designed and Developed FDIC-Compliant internet banking solution
  - Defined and Implemented secure, highly reliable, highly available coding standards
  - Implemented Change Management system
- Architect/Lead Engineer – SMTP Spam Filter Server
  - Designed and Developed e-mail proxy server for SPAM identification and blocking
- Senior Software Engineer – Ipoint Kiosk
  - Developed and Implemented Flash-based eyeglass try-on interface

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## OTHER EXPERIENCE

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#### **Lecturer/Presenter**

- Augmented Reality with C#, Windows 7, and Microsoft Kinect
  - Lincoln .NET Users Group – January 2012
  - Nebraska Code Camp 2012
- Fun with C# Generics
  - Lincoln .NET Users Group – April 2013
  - Nebraska Code Camp 2013
  - Omaha .NET Users Group – June 2014

#### **Chief Architect/Lead Developer – Open Source Projects**

- fFastMapper
  - fFastMapper is a high-speed tool to map and transfer property values between objects.
- fFastInjector
  - fFastInjector is a high-speed and compact dependency injector, service locator, and/or IOC (inversion of control) container.
- SubtractJS
  - SubtractJS is script that makes full-screen HTML layouts quick and easy.

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## TECHNOLOGIES

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**Visual Studio (2015, 2013, 2010, 2008, 2005, 2003)**

**C#, ASP.NET MVC, Entity Framework, TSQL, JavaScript, HTML, CSS**

**Generic programming in C#**

**Extension Methods**

**Test-driven development**

**Layered development**

**Dependency-Injection**

**Microsoft SQL Server (2005 through 2016, SQL Azure)**

**Database Design**

**Data Normalization**

**TSQL Queries and Stored Procedures**

**Team Foundation Server (2010 through 2015)**

**Automated build scripts, shelving, branching and merging, work item queries, TFS API**

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# EDUCATION AND TRAINING

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**BS – Computer Information Systems in Business**

- Bellevue University, Bellevue, NE
- Dean's List

**AAS – Electronics Engineering Technology**

- ITT Technical Institute, Fort Wayne, IN
- Graduated with Honors